

FIG. 1 (PRIOR ART)

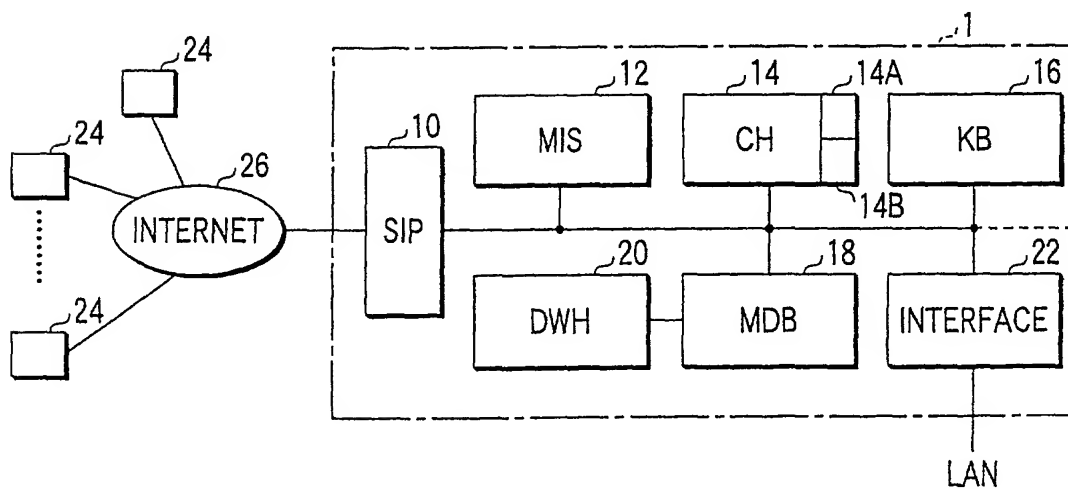


FIG. 2

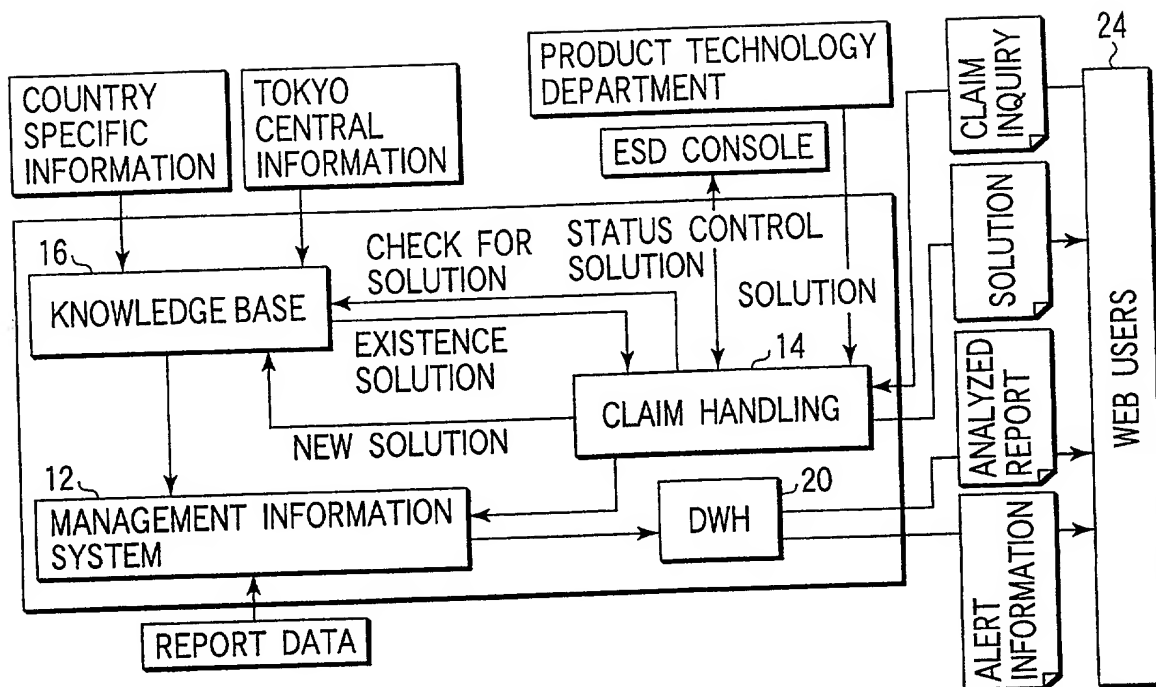


FIG. 3

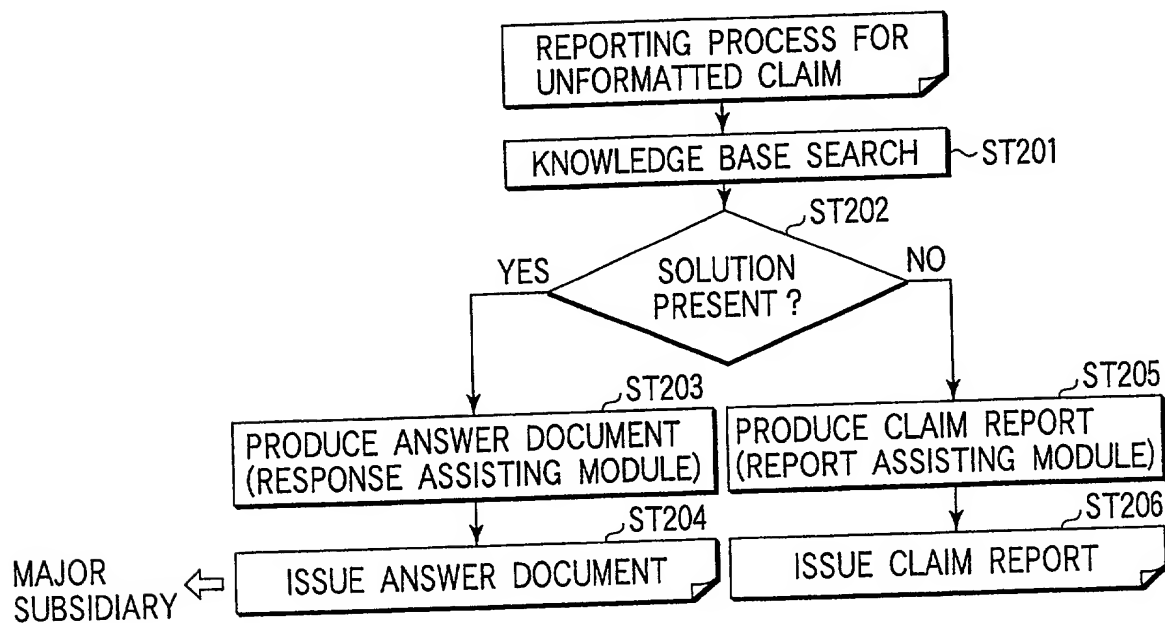


FIG. 5

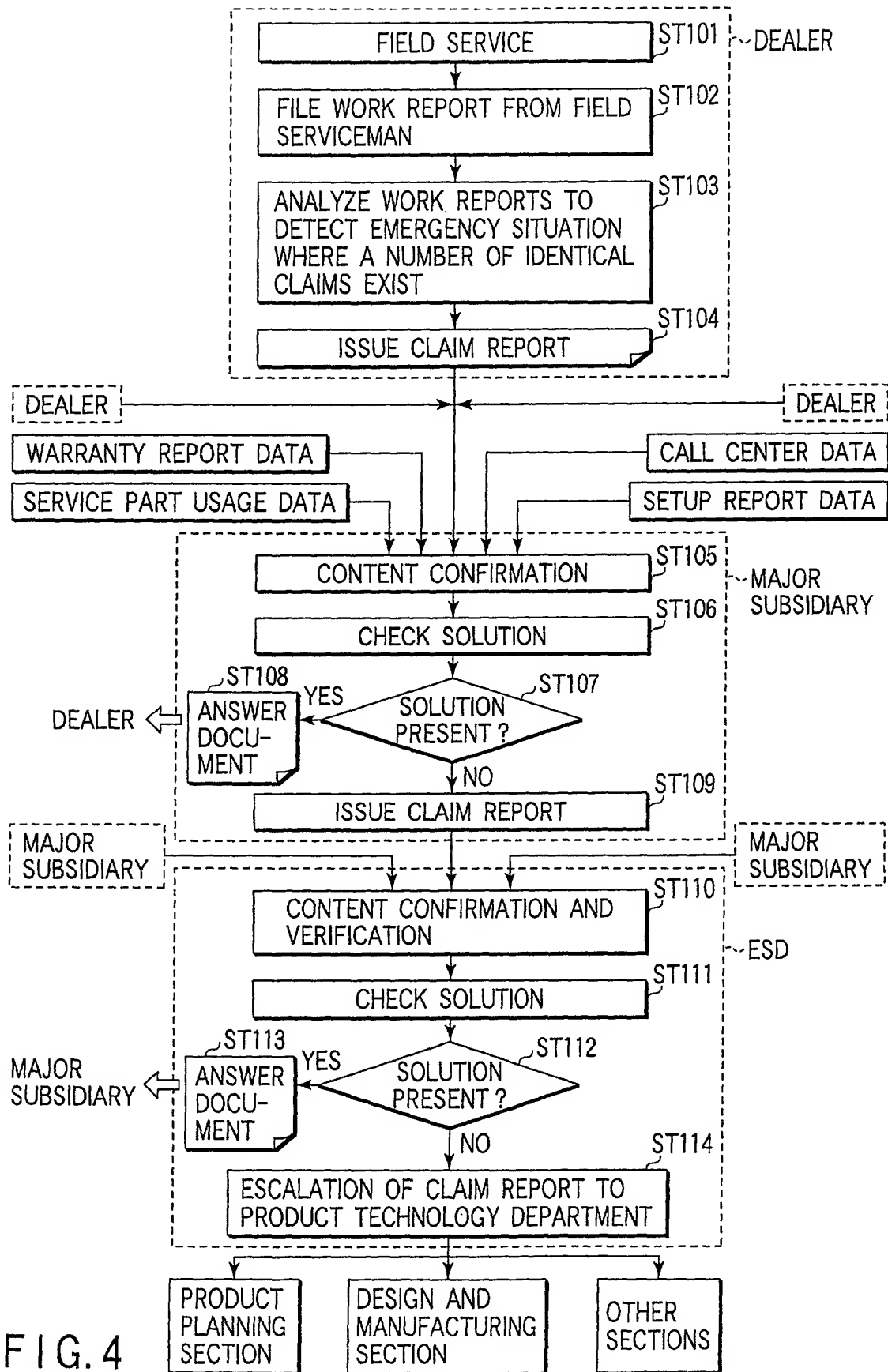


FIG.4

FIG. 6

Unit (J)	Unit (E)
U01 給紙ユニット	U01 Paper feeder unit
U02 オプション給紙ユニット	U02 LCF/PFU/PFP
U03 光学/レーザーユニット	U03 Optional/Laser Unit
U04 ドラム	U04 Drum
U05 チャージャー/グリッド	U05 Charger/Grid
U06 現像器ユニット	U06 Developer unit
U07 トナー/カートリッジ	U07 Toner/Cartridge
U08 クリーナーユニット	U08 Cleaner unit
U09 プロセスユニット全般	U09 Process unit in overall
U10 機体内用紙搬送ユニット	U10 Paper transport unit
U11 定着器ユニット	U11 Fuser unit
U12 排紙ユニット	U12 Exit unit
U13 ADD	U13 ADD
U14 ADF	U14 ADF
U15 ソーター/フィニッシャー	U15 Sorter/Finisher
U16 ドライブユニット	U16 Drive Unit
U17 コンパネユニット	U17 Control Panel unit
U18 PC板、その他電気部品	U18 PWA or other electrical circuit
U19 電源ユニット/高圧トランス	U19 Power supply unit/HVT
U20 HDD/拡張メモリー	U20 HDD/Expansion memory
U21 ネットワークコントローラー	U21 Network controller
U22 FAX/NCUボード	U22 FAX/NCU board
U23 本体ファームウェア	U23 Firmware in machine
U24 ドライバーソフトウェア	U24 Driver software
U25 ネットワーク環境	U25 Network environment
U26 外装カバー	U26 Exterior covers
U27 梱包箱	U27 Packaging
U28 その他	U28 Others

FIG. 7

Code	Machine Status
E1	Paper jam inside the copier
E2	Paper jam near fuser unit
E3	Paper remaining inside the copier when the main switch is turned on
E4	The front cover is opened during copying
E5	Paper misfeed in LCF and manual feeding and paper jam in front of the aligning roller
E8	Paper misfeed (ADD)
E9	Paper misfeed (pedestal)
EC	Paper misfeed (ADF)
ED	Paper misfeed in ADF transport unit
EE	Paper misfeed in ADF exit / reverse unit
C3	Abnormal serial transmission between main CPU and sub-CPU
C5	The optical system will not initialize ; the optical system is locked
C7	Heat roller thermistor is open-circuited
CB	ADF feed motor locked
CC	ADF transport motor locked
A0	Abnormal signal transmission in PFC interface
A1	Faulty charger wire cleaning operation
A2	ADD malfunction
A3	PFC (paper feed controller) malfunction
A4	Sorter malfunction
A5	Abnormal signal transmission between main CPU and IPC
A6	Abnormal signal transmission in sorter interface
A7	Abnormal signal transmission in ADF interface
A9	Blown exposure lamp or defective AES

FIG. 8

CLAIM REPORT

- a. Report source
- b. Rank of importance
- c. Claim category
- d. Claim title
- e. Claim details
- f. situation

FIG. 9

- c. Claim category
model [DP3580], problem code [P05], unit code [U23],
cause code [C02], error code [E005]
- d. Claim title
Paper jam under the drum due to breakage of the drum sensor
problem position cause
- f. Situation
Troubled part [Part number]
Troubled software [Software number]
Product lot [Serial number indicating factory and produced month]
Copy counter [Total copy count]
- e. Claim details
Problem, position/related unit, cause, treatment

FIG. 10

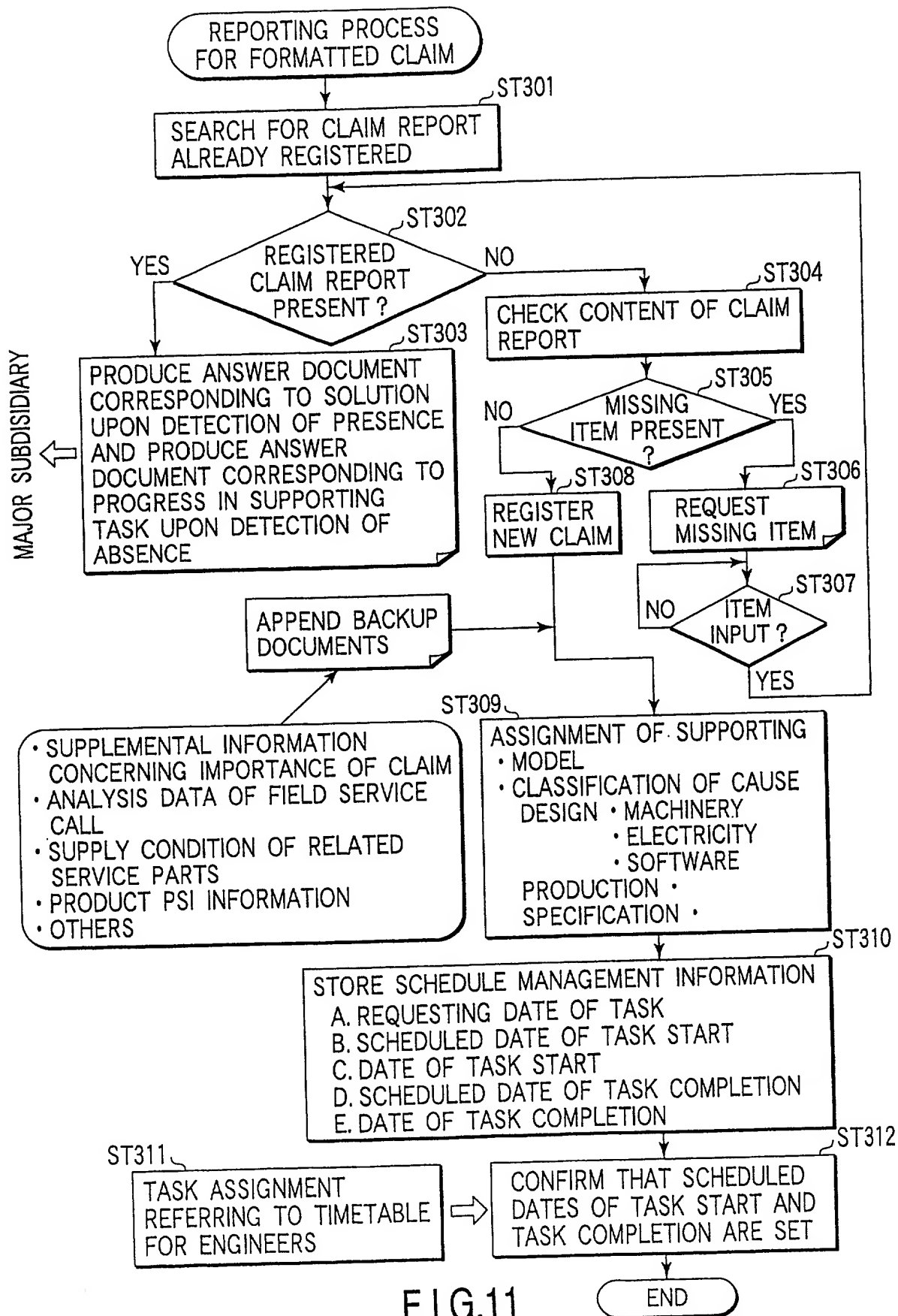


FIG.11

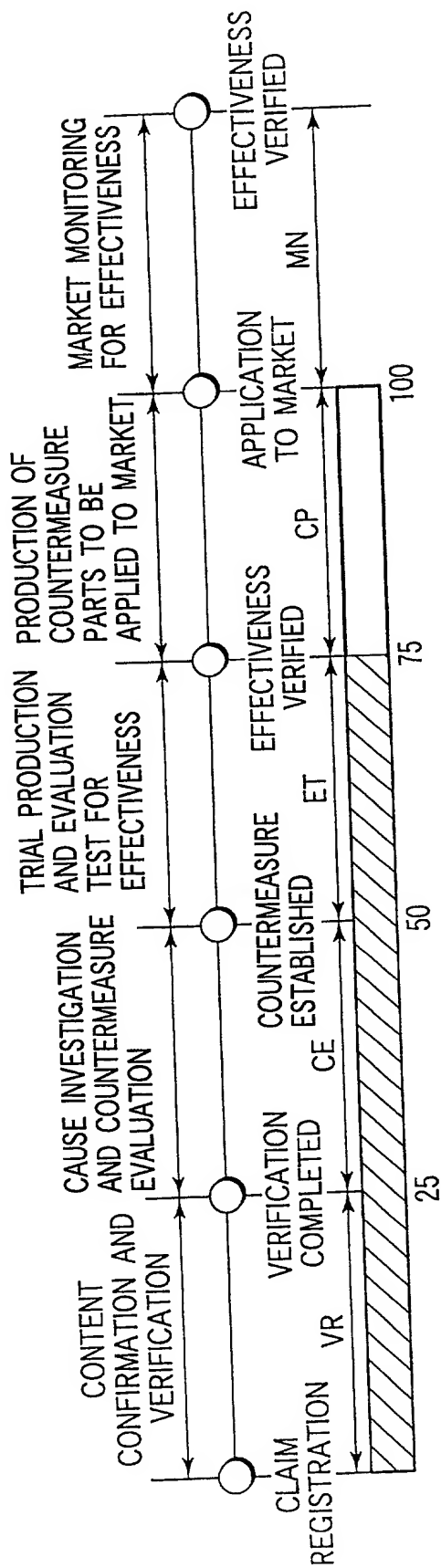


FIG. 12

TASK SHEET NO.	DIVISION	TASK STATUS									
		ISSUE PN	PN	CL	CL	CL	CL	CL	CL	CL	CL
TASK1	DESIGN										CL
TASK2	PRODUCTION		ISSUE PN	PN	PN	PN	PN	PN	PN	PN	CL
TASK3	DESIGN		ISSUE PN	PN	PN	PN	PN	PN	PN	PN	CL
TASK4	QUALITY CERTIFICATION										CL

MASTER STATUS		TIME							
		VR	VR	VR	CE	CE	ET	CP	MN

PN: PENDING CL: CLOSED

FIG. 13